LABDEX

Disintegration Tester LX100DIT

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Description

Disintegration Tester LX100DIT features a built-in microprocessor-controlled system with an LED display showing both preset and real-time data. It automatically controls the temperature, timing, and frequency of the nacelle's up-and-down movement. Designed with three basket assemblies, it enables independent disintegration tests to run simultaneously. Includes a default basket lifting time of 30 to 32 minutes, which can be manually adjusted as needed, providing flexibility for a variety of testing protocols.

Specifications

Basket assemblies	3 (Total of 18 tubes, 6 per basket)
Lifting frequency	30 to 32 times/min
Nacelle up-down range	55 ± 1 mm
Minimum spacing from screen to bottom of beaker	25 ± 2 mm
Automatic time range	5 to 120 min
Temperature prefabrication range	RT to 50 °C, display resolution 0.1 °C
Temperature control accuracy	± 0.5 °C
Time prefabrication range	1 to 900 min
Time control accuracy	0.5 min
Noise	< 60 dB
Power	600 W
Voltage	220V, 50Hz
External dimension (L x W x H)	540 x 320 x 440 mm
Net weight	22 Kg
Packing dimension	650 x 400 x 500 mm
Gross weight	25 Kg

Features

- Equipped with 3 basket assemblies, each containing 6 tubes (total of 18)
- Independent drive system for each station

- Microprocessor-controlled automation for reliable performance
- Alternate display of preset and real-time data
- Automatic control of temperature, time, and frequency
- Built-in auto-diagnosis and over-temperature alarm system

Applications

- It is used in detection of rate of disintegration of solids such as tablets, capsules, pills in required per set (prescriptive) conditions at pharmaceutical industry.

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